AERCO

ACME ELECTRIC ROBOT CO.
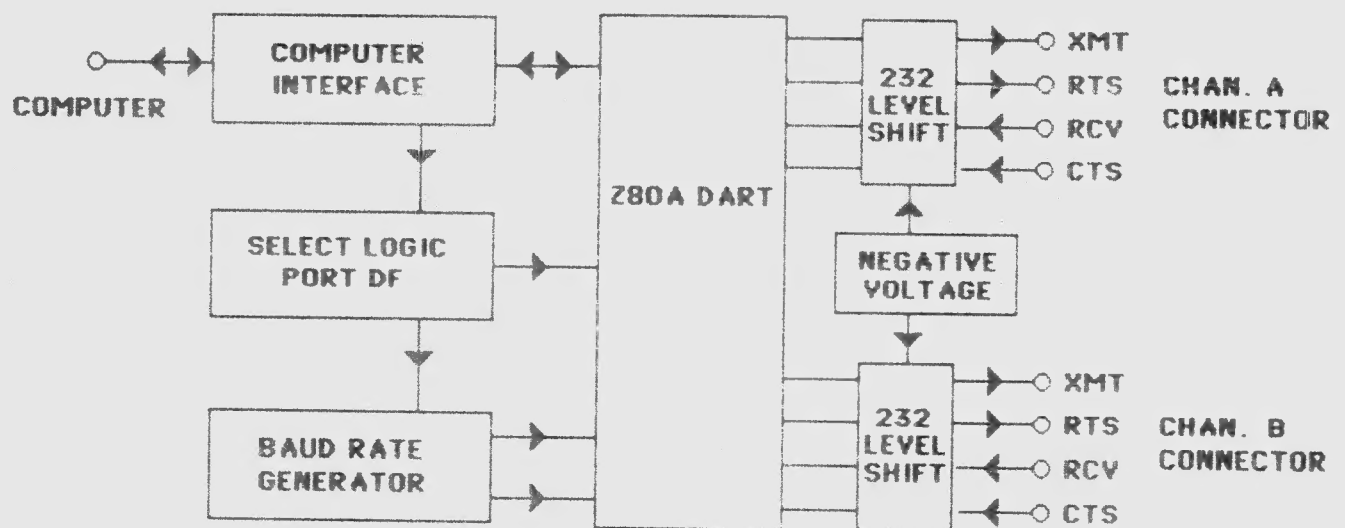
Box 18093 Austin, TX 78760

(512) 451-5874

MODULAR INTERFACE FOR TSC COMPUTERS

DUAL RS-232 SERIAL INTERFACE
TS1000, TS1500, TS2068

The RS-232 interface is used to communicate with peripheral devices such as Printers and Modems as well as other computers. This is a dual channel board so it can communicate with 2 separate RS-232 devices at 2 independent baud rates. It has on-board crystal controlled baud rate generators with software selectable rates of 50 to 19,200 Baud. It can be used with tape or disc based software or it can have mounted directly to it an EPROM board to provide control firmware directly from Power-On. It plugs directly on to the back of the computer and has a feed-through connector

- ☐ INTERFACE WITH CABLE FOR 1 DEVICE $89
- ☐ INTERFACE WITH CABLE FOR 2 DEVICES $99
- ☐ BUILT IN EPROM BOARD WITH FIRMWARE   ADD $49
- ☐ ZX81/TS1000   ☐ TS1500   ☐ TS2068

Please add $3 for shipping.

C.O.D. add $3

VISA   MC add 5%

NAME _____

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DUAL RS-232 SERIAL INTERFACE © 85 AERCO

DATA CABLE ← RED LINE

Z-1
2

R1
R2
R3
R4

Z-3 Z-4 5

6

COMPUTER CONNECTOR

KEY

300

10 uF

1N4148

5

Z-4

15

+5 V.

+2.5 V.
−3 V.

10 uF

10K

10K

SPARES

14 Z-4 6
1.8K
R3

12 Z-4 8
1.8K

3 Z-4 17
R4

8 +5 V.
4 −3 V.

TL 062 POWER

RD ○ — 32 RD
Ø ○ — 20 CLK
RESET ○ — 21 RESET
A8 ○ — 34 B/A
A9 ○ — 33 C/D
— 8 M1

D0 ○ — 40 D0
D1 ○ — 1 D1
D2 ○ — 39 D2
D3 ○ — 2 D3
D4 ○ — 4 16 38 D4
D5 ○ — 5 15 3 D5
D6 ○ — 6 14 37 D6
D7 ○ — 7 13 4 D7

Z80A
DART
Z-1

1945-00
Z-3

RxDA 12 Z-4 18 2 R1 1.8K

TxDA 15 2 Z-5 1 300
3
TL 062 +2.5 V.

RTSA 17 5 Z-5 7 300
6

CTSA 18

M1 ○ — 6
A5 ○ — 5
A10 ○ — 1 74LS138 Z-6
A11 ○ — 2
A12 ○ — 3
IORQ ○ — 4

10 4 Z-4 12 16
18

5.07 MHz

9 13 Z-4 8
7

74LS240

+5 V.

17 27 RxTxCB
11 31
13 RxCA
3 14 TxCA
2 9

35 CE
36 IORQ

RxDB 28 Z-4 9 11 R2 1.8K

TxDB 26 2 Z-2 1 300
3
TL 062 +2.5 V.

RTSB 24 5 Z-2 7 300
6

CTSB 23

PORTS F4DF – F7DF Channel B Clock
PORTS F8DF – FBDF Channel A Clock
PORT FCDF DART Channel A Data
PORT FDDF DART Channel B Data
PORT FEDF DART Channel A Control
PORT FFDF DART Channel B Control